

Motor 1  
NTU 1  
18°C

### Erosion log sheet

Experiment Name: S3905-1e

Date: 4-18-06

Experiment Start Time ( ): 13:11

Operator: Pat

Z<sub>0</sub> (d rms)

Bottle No.	Step start time	Bottle switch time	Notes	
0.1	2.8	13:11	13:12:40	Fine sed. some shell hash mixed in. Small slope on core surface. Worms filter feeding? see more on back
0.5	303	13:41	13:41:30	Very slight erosion. Small pile collecting on center disc. Nothing happens. Cut step short
1.0	208	13:56	13:56:15	Actively eroding. Tornado in center: wave connects on back
2.0	206	14:14	14:14:15	Major erosion. Pile in center remains
	2.7		14:27:25	Most of center pile has eroded
3.0	202	14:34	14:34:10	Active resuspension
	209	<del>14:41</del>	14:44:10	
4.5	311	14:54	14:54:10	Major erosion
	218		15:04:10	Many worm tubes exposed at surface
	<del>2.1</del>		15:14:10	Extended step to get good exp. decay of turb. Pile of sed. in center of core
6.0	204	15:19:40	15:19:50	Scour making surface irregular in some areas. Some worm tubes torn from bed.
	213		15:30:10	
	201		15:41:00	
	end		15:52:00	

no erosion

Comments cont'd

S3905-1t3e

- Small worms appear to be <sup>filter</sup> feeding during first step
- small (1mm wide) burrows in top 5 cm of core.

Step 3 - small round aggregates saltate across bottom, collect in pile in center, & slowly resuspend from pile.

Step 7 - Prior to the experiment I made marks on the side of the core tube to mark the top of sed. surface. Midway through step 7 it appears that >5mm of sediment have eroded during this expt.

Hour	Step	Notes
12:10:00	3	
12:11:00	3	
12:12:00	3	
12:13:00	3	
12:14:00	3	
12:15:00	3	
12:16:00	3	
12:17:00	3	
12:18:00	3	
12:19:00	3	
12:20:00	3	
12:21:00	3	
12:22:00	3	
12:23:00	3	
12:24:00	3	
12:25:00	3	
12:26:00	3	
12:27:00	3	
12:28:00	3	
12:29:00	3	
12:30:00	3	
12:31:00	3	
12:32:00	3	
12:33:00	3	
12:34:00	3	
12:35:00	3	
12:36:00	3	
12:37:00	3	
12:38:00	3	
12:39:00	3	
12:40:00	3	
12:41:00	3	
12:42:00	3	
12:43:00	3	
12:44:00	3	
12:45:00	3	
12:46:00	3	
12:47:00	3	
12:48:00	3	
12:49:00	3	
12:50:00	3	
12:51:00	3	
12:52:00	3	
12:53:00	3	
12:54:00	3	
12:55:00	3	
12:56:00	3	
12:57:00	3	
12:58:00	3	
12:59:00	3	
13:00:00	3	



